

Analysis of polyprotein P2a C-terminal part of cocksfoot mottle sobemovirus [Online resource]

Uffert, Gabriela; Sõmera, Merike; Truve, Erkki Environmental adaptation : from molecules to the planet : the Estonian Centre of Excellence in Environmental Adaptation ENVIRON. Final conference : October 1-3, 2015, Dorpat Conference Centre, Tartu, Estonia : abstract book 2015 / p. 61 http://environ.emu.ee/userfiles/environ/Abstract_Book_ENVIRON%20final%20conference%202015.pdf

Characterization of the complete genome of oat sterile dwarf virus : a fijivirus occurring in the temperate climate zone of Europe

Oja, Tatjana; Sooväli, Pille; Sõmera, Merike Archives of virology 2023 / art. 259 <https://doi.org/10.1007/s00705-023-05890-8> [Journal metrics at Scopus](#) [Article at Scopus](#)

Cocksfoot mottle sobemovirus establishes infection through the phloem

Otsus, Maarja; Uffert, Gabriela; Sõmera, Merike; Paves, Heiti; Olsper, Allan; Islamov, Bulat; Truve, Erkki Virus research 2012 / p. 125-129 : ill <https://pubmed.ncbi.nlm.nih.gov/22425583/>

Complete nucleotide sequence of Solanum nodiflorum mottle virus

Sõmera, Merike; Truve, Erkki Archives of virology 2017 / p. 1731-1736 : ill <https://doi.org/10.1007/s00705-017-3273-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrigendum: A survey using high-throughput sequencing suggests that the diversity of cereal and barley yellow dwarf viruses is underestimated (Front. Microbiol., (2021), 12, (673218), 10.3389/fmicb.2021.673218)

Sõmera, Merike; Massart, Sébastien; Tamisier, Lucie; Sooväli, Pille; Sathees, Kanitha; Kvarnheden, Anders Frontiers in microbiology 2021 / art. 772637, 2 p <https://doi.org/10.3389/fmicb.2021.772637> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cost-effective, fast and easy detection of polomyxa graminis and of the viruses it transmits to cereal crops

Sõmera, Merike; Niehl, Annette Euphresco 2023 / 2 p. <https://zenodo.org/records/10055321> <https://doi.org/10.5281/zenodo.10053691>

Detection of single nucleotide polymorphisms in virus genomes assembled from high-throughput sequencing data: large-scale performance testing of sequence analysis strategies

Rollin, Johan; Bester, Rachelle; Brostaux, Yves; Caglayan, Kadriye; De Jonghe, Kris; Eichmeier, Ales; Foucart, Yoika; Haegeman, Annelies; Koloniuk, Igor; Kominek, Petr; Maree, Hans; Onder, Serkan; Posada Cespedes, Susana; Roumi, Wahid; Šafarova, Dana; Schumpp, Olivier; Ulubas Serce, Cigdem; Sõmera, Merike; Tamisier, Lucie; Vainio, Eeva; van der Vlugt, Rene AA; Massart, Sebastien PeerJ 2023 / art. e15816 <https://doi.org/10.7717/peerj.15816> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Diagnosis and epidemiology of viruses infecting cereal crops (CEREVIR)

Sõmera, Merike Euphresco 2023 / 1 p. <https://doi.org/10.5281/zenodo.7590770> <https://zenodo.org/records/7590771#.Y9lDaHbMKUk>

Eesti teadlane seletab – mida teadus üldse uuest koroonaviirusest teab?

Sõmera, Merike Postimees : [Tartu versioon] 2020 / 3 lk [Eesti teadlane seletab – mida teadus üldse uuest koroonaviirusest teab?](#)

Eesti teraviljadel esinevad viirushaigused

Sooväli, Pille; Sõmera, Merike Agronomiam 2020 = Agronomy 2020 2020 / lk. 202-210 : tab <http://hdl.handle.net/10492/5600>

An epigenetic alphabet of crop adaptation to climate change : review article

Guarino, Francesco; Cicatelli, Angela; Castiglione, Stefano; Agius, Dolores R.; Orhun, Gul Ebru; Fragkostefanakis, Sotirios; Leclercq, Julie; Dobranszki, Judit; Sõmera, Merike; Sarmiento Guerin, Maria Cecilia Frontiers in Genetics 2022 / art. 818727 <https://doi.org/10.3389/fgene.2022.818727> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

First report of Brome mosaic virus in wheat in Estonia

Sõmera, Merike; Gantsovski, Mark; Truve, Erkki; Sooväli, Pille Plant disease 2016 / p. 2175 <https://doi.org/10.1094/PDIS-04-16-0426-PDN> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

First report of Cocksfoot mottle virus infecting wheat in Estonia

Sõmera, Merike; Sooväli, Pille New disease reports 2023 / art. e12206 <https://doi.org/10.1002/ndr2.12206> [Journal metrics at Scopus](#) [Article at Scopus](#)

First report of Hosta virus X infecting hosta plants in Ukraine

Shchetynina, A.; Budzanivska, I.; Pereboyshuk, O.; Sõmera, Merike; Truve, Erkki Acta virologica 2017 / p. 498-499 https://doi.org/10.4149/av_2017_415 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

First report of wheat dwarf virus in winter wheat in Estonia

Sõmera, Merike; Truve, Erkki; Sooväli, Pille Plant disease 2019 / p. 1797 <https://doi.org/10.1094/PDIS-11-18-2059-PDN> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The genome organization of lucerne transient streak and turnip rosette sobemoviruses revisited

Sõmera, Merike; Truve, Erkki Archives of virology 2013 / p. 673-678 : ill <https://doi.org/10.1007/s00705-012-1519-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

ICTV Virus Taxonomy Profile : Solemoviridae 2021

Sõmera, Merike; Fargette, Denis; Hebrard, Eugenie; Sarmiento Guerin, Maria Cecilia Journal of General Virology 2021 / art. 001707 <https://doi.org/10.1099/jgv.0.001707> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving abiotic stress tolerance of forage grasses - prospects of using genome editing

Sustek-Sanchez, Ferenz; Rognli, Odd Arne; Rostoks, Nils; Sõmera, Merike; Jaškune, Kristina; Kovi, Mallikarjuna Rao; Statkevičiute, Gražina; Sarmiento Guerin, Maria Cecilia Frontiers in plant science 2023 / art. 1127532 <https://doi.org/10.3389/fpls.2023.1127532> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Long-Term Monitoring of Six Potato Viruses in Estonian Seed Potatoes and an Assessment of Susceptibility of Potato Varieties to PVY

Van Der Sman, Piret; Pata, Pille; Järvekülg, Lilian; Sõmera, Merike Potato Research 2025 <https://doi.org/10.1007/s11540-025-09862-0>

Minimal set of genes required for sobemovirus replication

Olsper, Allan; Kamsol, Kristjan; Nummert, Grete; Sarmiento Guerin, Maria Cecilia; Sõmera, Merike; Truve, Erkki VI Baltic Genetics Congress : September 30 - October 3, 2015, Institute of Molecular and Cell Biology, Tartu, Estonia : book of abstracts 2015 / 1 p

Overview on sobemoviruses and a proposal for the creation of the family sobemoviridae

Sõmera, Merike; Sarmiento Guerin, Maria Cecilia; Truve, Erkki Viruses 2015 / p. 3076-3115 : ill <https://doi.org/10.3390/v7062761> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

P1-independent replication and local movement of Rice yellow mottle virus in host and non-host plant species

Nummert, Grete; Sõmera, Merike; Uffert, Gabriela; Abner, Erik; Truve, Erkki Virology 2017 / p. 28-32 : ill <https://doi.org/10.1016/j.virol.2016.12.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phylogenetic insight into ABCE gene subfamily in plants

Jakobson, Liina; Möttus, Jelena; Suurväli, Jaanus; Sõmera, Merike; Tarassova, Jemilia; Nigul, Lenne; Smolander, Olli-Pekka Aukusti; Sarmiento Guerin, Maria Cecilia Frontiers in Genetics 2024 / art. 1408665 <https://doi.org/10.3389/fgene.2024.1408665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Polypeptide processing of Cocksfoot mottle sobemovirus

Uffert, Gabriela; Sõmera, Merike; Sõber, Kärt; Kivisaar, Kätlin; Nummert, Grete; Valmsen, Karin; Truve, Erkki International Union of Microbiological Societies Congresses : July 27 - August 1, 2014 : IUMS 2014 : abstracts 2014 / p. 211

Revisiting the origins of the Sobemovirus genus: A case for ancient origins of plant viruses

Ghafari, Mahan; Sõmera, Merike; Sarmiento Guerin, Maria Cecilia; Niehl, Annette; Hebrard, Eugenie; Tsoleridis, Theocharis; Ball, Jonathan; Moury, Benoit; Lemey, Philippe; Katzourakis, Aris; Fargette, Denis PLoS Pathogens 2024 / art. e1011911 <https://doi.org/10.1371/journal.ppat.1011911> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rottboellia yellow mottle virus is a distinct species within the genus Sobemovirus

Sõmera, Merike; Truve, Erkki Archives of virology 2015 / p. 857-863 : ill <https://doi.org/10.1007/s00705-015-2336-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rottboellia yellow mottle virus is a distinct species within the genus Sobemovirus

Sõmera, Merike; Truve, Erkki International Union of Microbiological Societies Congresses : July 27 - August 1, 2014 : IUMS 2014 : abstracts 2014 / p. 785

Sequencing and biological characterization of historical cynosurus mottle virus isolates from Germany

Frei, Martin; Sarmiento Guerin, Maria Cecilia; Kärblane, Kairi; Niehl, Annette; Sõmera, Merike Archives of virology 2023 / art. 265 <https://doi.org/10.1007/s00705-023-05893-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sixty years after the first description : genome sequence and biological characterization of European wheat striate mosaic virus infecting cereal crops

Sõmera, Merike; Kvamheden, Anders; Desbiez, Cecile; Sooväli, Pille; Gantsovski, Mark; Truve, Erkki Phytopathology 2020 / p. 68-79 <https://doi.org/10.1094/PHYTO-07-19-0258-FI> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sobemoviruses as a target for dsRNA-based vaccination in monocots

Olsper, Allan; Sõmera, Merike; Sarmiento Guerin, Maria Cecilia; Truve, Erkki COST FA0806 WGs meeting: Plant virus control employing RNA-based vaccines: a novel nontransgenic strategy : [Abstract Book] : Helsinki, Finland, September 11-12, 2009 2009 / p. 21

Sobemoviruses: genomic organization, potential for recombination and necessity of P1 in systemic infection =
Sobemoviirused: genoomi organisatsioon, rekombinatsioonipotentsiaal ja valgu P1 vajalikkus süsteemseks
infektsiooniks

Sõmera, Merike 2010 https://www.ester.ee/record=b2561127*est

Solemoviruses (Solemoviridae)

Sarmiento Guerin, Maria Cecilia; Sõmera, Merike; Truve, Erkki Encyclopedia of Virology, 4th edition 2021 / p. 712-718
<https://www.elsevier.com/books/encyclopedia-of-virology/bamford/978-0-12-814515-9>

Summary of taxonomy changes ratified by the International Committee on Taxonomy of Viruses from the Plant Viruses Subcommittee, 2025

Rubino, Luisa; Abrahamian, Peter; An, Wenxia; Aranda, Miguel A.; Ascencio-Ibañez, Jose T.; Bejerman, Nicolas; Blouin, Arnaud G.; Candresse, Thierry; Canto, Tomas; Cao, Mengji; **Sarmiento Guerin, Maria Cecilia; Sõmera, Merike** Journal of general virology 2025 / 20 p <https://doi.org/10.1099/jgv.0.002114>

A survey using high-throughput sequencing suggests that the diversity of cereal and barley yellow dwarf viruses is underestimated

Sõmera, Merike; Massart, Sebastien; Tamisier, Lucie; **Sooväli, Pille;** Sathees, Kanitha Frontiers in microbiology 2021 / art. 673218
<https://doi.org/10.3389/fmicb.2021.673218> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Taimeviiruste ja taimede kaitsemehhanismide uurimine : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile

Truve, Erkki; Sõmera, Merike; Sarmiento Guerin, Maria Cecilia Tallinna Tehnikaülikooli aastaraamat 2009 2010 / lk. 193-198

Teaduspreemia põllumajandusteaduste alal uurimuste tsükli "Taimeviiruste ja taimede kaitsemehhanismide uurimine" eest : Erkki Truve (kollektiivi juht), Merike Sõmera, Cecilia Sarmiento

Truve, Erkki; Sõmera, Merike; Sarmiento Guerin, Maria Cecilia Eesti Vabariigi teaduspreemiad 2009 / lk. 128-137 : fot

Viruses of poaceae in Estonia identified by using the next generation sequencing [Online resource]

Sõmera, Merike; Gantsovski, Mark; Akkermann, Anna; Aun, Erki; Truve, Erkki Environmental adaptation : from molecules to the planet : the Estonian Centre of Excellence in Environmental Adaptation ENVIRON. Final conference : October 1-3, 2015, Dorpat Conference Centre, Tartu, Estonia : abstract book 2015 / p. 56
http://environ.emu.ee/userfiles/environ/Abstract_Book_ENVIRON%20final%20conference%202015.pdf